Highly versatile entry-level PC

Shuttle XPC
J1 4100BA

Being the first fully configured Mini PC System of the brand-new product line which is based on the J1 case design, the XPC J1 4100BA is highly versatile in use and good value for money. The Intel technologies housed inside such as the Intel Pentium E5300 processor and the G41 Express chipset are joined by an array of connectors.

Feature Highlight

Category	• Basic (Business)
Shuttle XPC	• Based on Shuttle XPC Barebone SG41J1 • Chipset: Intel G41 + ICH7
OS	• Windows XP Professional Downgrade (several languages available)
Processor	• Intel Pentium Dual-Core E5300 (2x 2.6 GHz)
Memory	• 2GB DDR2-800
Integrated graphics	• Intel GMA X4500, up to 1759MB UMA • DirectX 10, Shader 4.0, DVI Video out
Audio	• 5.1 channel audio
LAN	• Gigabit Ethernet LAN
Drives	• Optical drive: DVD Reader • 160GB Serial ATA II hard disk
Warranty	• 24 months Pick-up and Return Service

Picture for illustration purposes only.

©2010 by Shuttle Computer Handels GmbH (Germany). All information subject to change without notice. Pictures for illustration purposes only.

Prduct ID: J1 4100BA
Order No: PCT-J1410BA1

4 046047 102143

The configuration of the Shuttle XPC J1 4100BA is only one of several configurations available of the Shuttle XPC J1 4100B series. Please refer to the **Shuttle Systems Configurator** (sys.eu.shuttle.com) to see the full range of other possible built-to-order (BTO) systems.

Shuttle Computer Handels GmbH
Fritz-Strassmann-Str. 5
25337 Elmshorn | Germany

Tel. +49 (0) 4121-47 68 60
Fax +49 (0) 4121-47 69 00
sales@shuttle.eu

Shuttle XPC J1 4100BA Specifications

Range of application	Basic (Business)
Basis	Shuttle XPC Barebone SG41J1
Operating system	Microsoft Windows XP Professional (as a Downgrade from Windows 7 Professional) 9 languages available: German, English, French, Dutch, Italian, Spanish, Swedish, Finnish, Danish
Chassis	J1-type chassis made of steel, color: black Storage bays: 1x 13.5cm (5.25") external, 2x 8.9cm (3.5") internal Dimensions: 32.5 x 21.5 x 19 cm (LWH) = 13.3 liters Kensington Security Slot at the back panel (also called a K-Slot or Kensington lock) as a part of an anti-theft system
Chipset & BIOS	Chipset: Intel G41 Express + ICH7 AMI BIOS, SPI interface, 8MB Flash ROM Supports PnP, ACPI 3.0 Supports external USB flash memory card boot up
Processor	Intel® Pentium® Processor E5300 (Socket 775) CPU clock rate: 2x 2.60 GHz with 800MHz Front Side Bus (FSB), L2-Cache: 2MB Power consumption (TDP): max. 65W Dual-Core "Wolfdale" in 45nm production process Intel boxed cooling fan, rpm-controlled
Memory	2 GB DDR2-800 memory
Optical drive	Multi-format DVD Reader
Hard disk	160GB Serial ATA hard disk
Integrated Graphics	Intel Graphics Media Accelerator X4500 (GMA X4500) Supports Microsoft DirectX 10, Shader Model 4.0 und OpenGL 2.0 Supports Intel Clear Video Technology with ProcAmp color control Maximum DVI resolution: 2048x1536 Max. shared video memory size (UMA): 1759MB*)
6ch Audio	Audio Codec: IDT 92HD89C, 5.1 channel Three analog audio connectors (3.5mm) at the Back-Panel: 1) Front Line out (head phone) 2) Rear Surround line-out 3) Center line-out Front panel: microphone input and head phone output

©2010 by Shuttle Computer Handels GmbH (Germany). All information subject to change without notice. Pictures for illustration purposes only.

Shuttle Computer Handels GmbH
Fritz-Strassmann-Str. 5
25337 Elmshorn | Germany

Tel. +49 (0) 4121-47 68 60
Fax +49 (0) 4121-47 69 00
sales@shuttle.eu

Giga LAN	Marvell 88E8057 Ethernet network controller (Gigabit) Supports 100 / 1.000 MBit/s operation (100Base-TX/1000Base-T) Supports Wake-on-LAN (WOL)
Front-panel I/O	Microphone (3,5 mm) Headphone /Line-out (3,5 mm) 2x USB 2.0 (Hi-Speed) Power button Power on LED (blue) Hard disk read/write LED (orange)
Back-panel I/O	DVI-D output (24 pin, digital) 4x USB 2.0 (Hi-Speed) GigaBit LAN (RJ45) PS/2 keyboard (6-pol. Mini-DIN) PS/2 mouse (6-pol. Mini-DIN) Audio Line in, Line out, Microphone Clear CMOS button Serial and parallel port (optional)
Power supply	250 Watt mini power supply unit Input voltage range: 100~240V Connectors: 20-pin ATX, 4-pin ATX12V Active PFC (Power Factor Correction)
Warranty	24 Months Pick-Up-And-Return Service

*) Shared Memory Size
The shared memory size is dynamically controlled by VGA driver, and the Max. shared memory size will be available only when 4GB or more memory is installed under 64-bit OS.

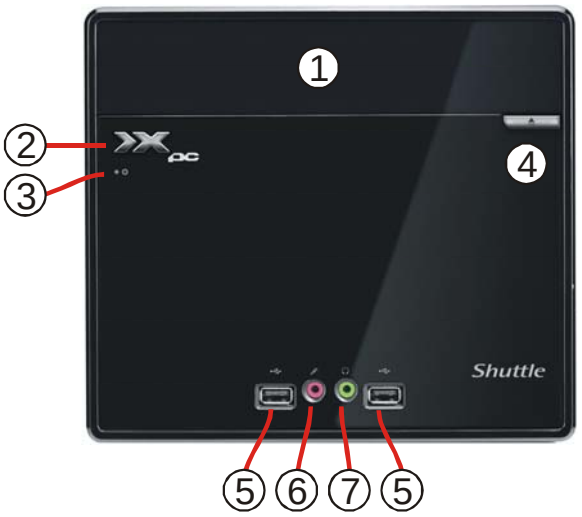
©2010 by Shuttle Computer Handels GmbH (Germany). All information subject to change without notice. Pictures for illustration purposes only.

Shuttle Computer Handels GmbH
Fritz-Strassmann-Str. 5
25337 Elmshorn | Germany

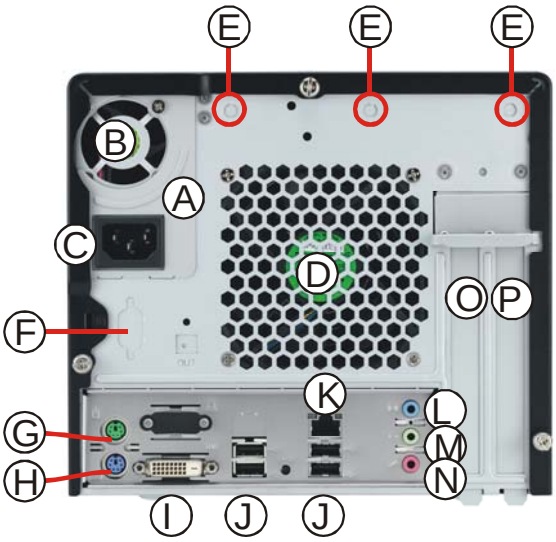
Tel. +49 (0) 4121-47 68 60
Fax +49 (0) 4121-47 69 00
sales@shuttle.eu

Shuttle XPC Barebone J1 4100BA – Connectors

Front View



Rear View

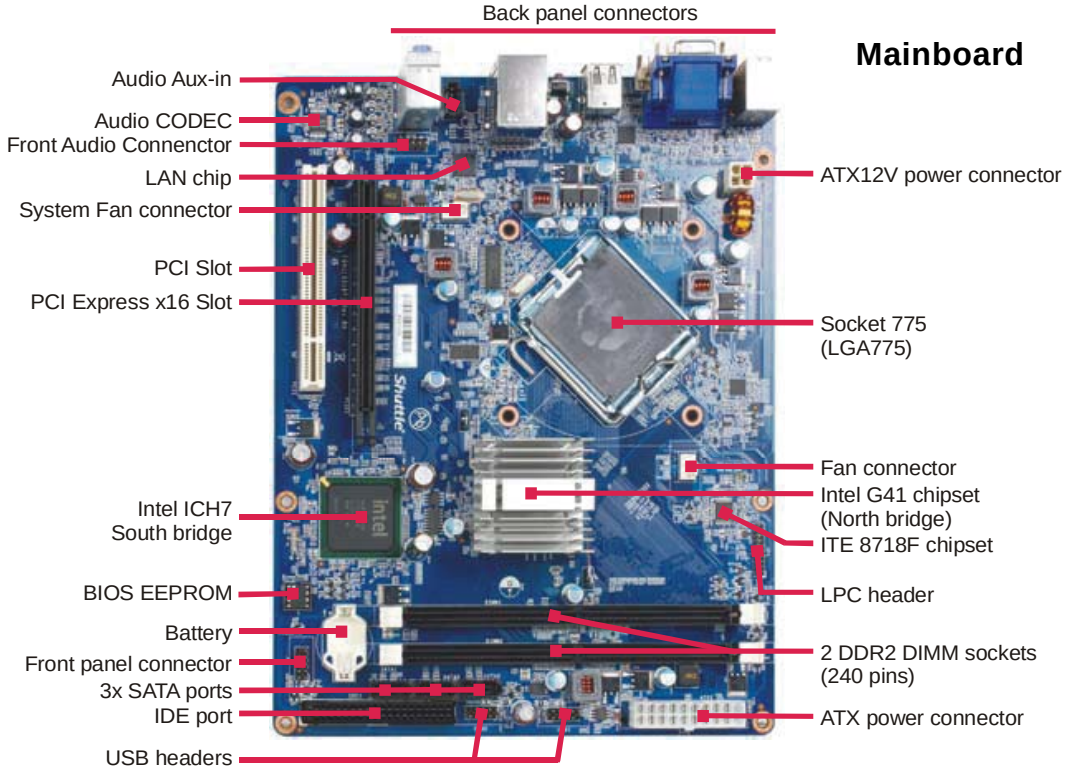


(1) DVD Reader drive
(2) Power button
(3) Power LED
(4) DVD Eject button
(5) 2x USB ports
(6) Microphone input
(7) Headphone output

(A) Power supply consist of
(B) PSU cooling fan and
(C) AC power connector
(D) Chassis cooling fan
(E) Wireless LAN perforation
(F) Serial port perforation
(G) PS/2 mouse port
(H) PS/2 keyboard port

(I) DVI-D video port (digital)
(J) 4x USB ports
(K) RJ45 LAN port
(L) Audio Line-in port
(M) Audio Line-out port
(N) Microphone-in port
(O) PCI-Express X16 slot
(P) PCI slot

Mainboard



©2010 by Shuttle Computer Handels GmbH (Germany). All information subject to change without notice. Pictures for illustration purposes only.

Shuttle Computer Handels GmbH
Fritz-Strassmann-Str. 5
25337 Elmshorn | Germany
Tel. +49 (0) 4121-47 68 60
Fax +49 (0) 4121-47 69 00
sales@shuttle.eu